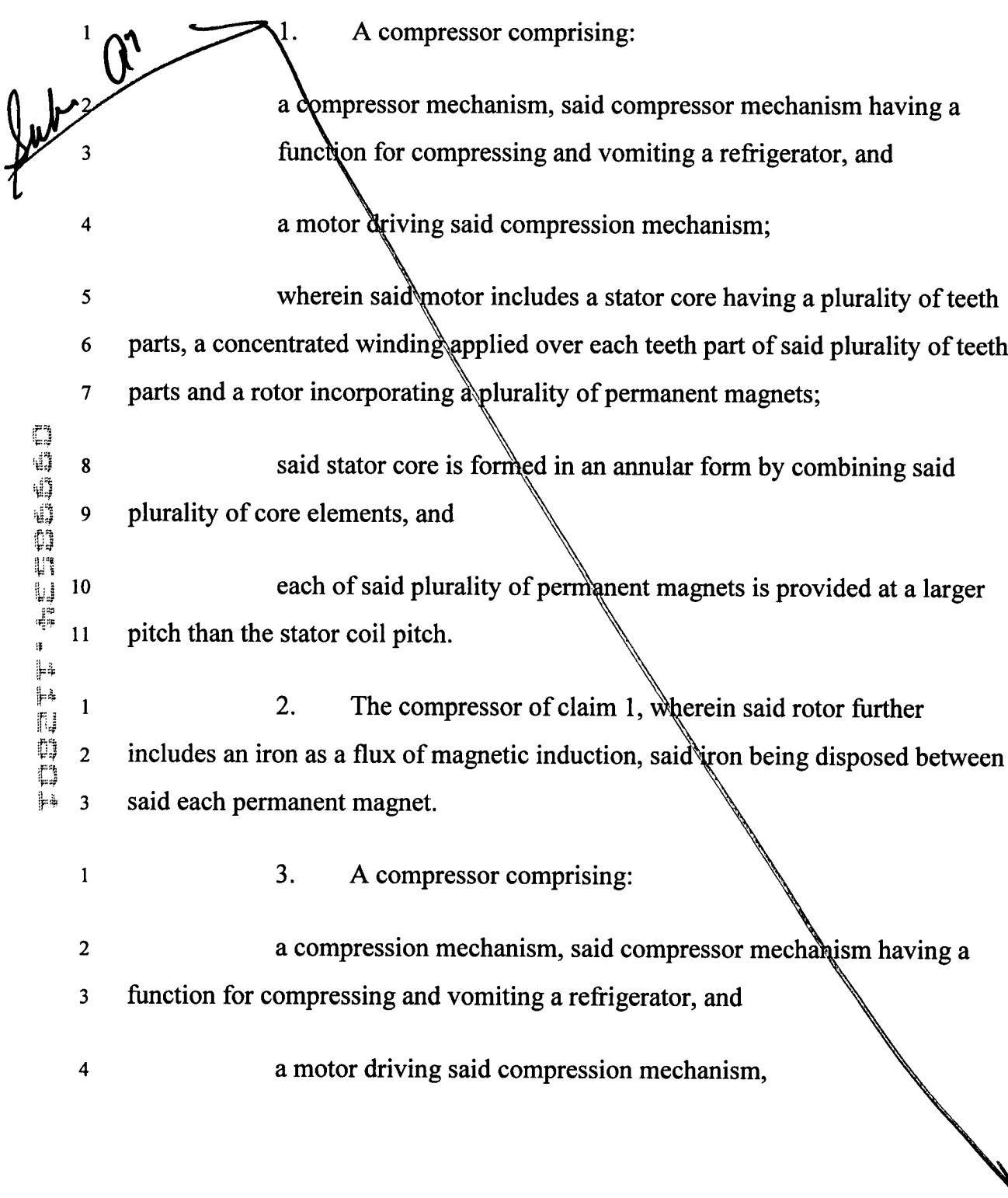


## WHAT IS CLAIMED IS:

- 
1. A compressor comprising:
    1. a compressor mechanism, said compressor mechanism having a function for compressing and vomiting a refrigerator, and
    2. a motor driving said compression mechanism;
  5. wherein said motor includes a stator core having a plurality of teeth
  6. parts, a concentrated winding applied over each teeth part of said plurality of teeth
  7. parts and a rotor incorporating a plurality of permanent magnets;
  8. said stator core is formed in an annular form by combining said
  9. plurality of core elements, and
  10. each of said plurality of permanent magnets is provided at a larger
  11. pitch than the stator coil pitch.
1. 2. The compressor of claim 1, wherein said rotor further
  2. includes an iron as a flux of magnetic induction, said iron being disposed between
  3. said each permanent magnet.
1. 3. A compressor comprising:
    2. a compression mechanism, said compressor mechanism having a
    3. function for compressing and vomiting a refrigerator, and
    4. a motor driving said compression mechanism,

5           wherein said motor includes a stator core having a plurality of teeth  
6   parts, a concentrated winding applied over each teeth part of said plurality of teeth  
7   parts and a rotor incorporating a plurality of permanent magnets,

8           said stator core is formed in an annular form by combining said  
9   plurality of core elements, and

10           each of said plurality of permanent magnets is provided at a larger  
11   pitch than the stator coil pitch.

1           4.       The compressor of claim 3 wherein said each teeth part  
2   includes an outer circumference part, and said each teeth part is combined by  
3   fitting parts disposed at end portion of said outer circumference part.

1           5.       A compressor comprising:

2           a compression mechanism, said compressor mechanism having a  
3   function for compressing and vomiting a refrigerator, and

4           a motor driving said compression mechanism,

5           wherein said motor includes a stator core having a plurality of teeth  
6   parts, a concentrated winding applied over each teeth part of said plurality of teeth  
7   parts and a rotor incorporating a plurality of permanent magnets,

8           each of said plurality of permanent magnets is provided at a larger  
9   pitch than the stator coil pitch,

10           said plurality of permanent magnet are arranged around a center  
11   thereof,

12                   at least one of said plurality of permanent magnets has a magnet  
13 forward portion and a magnet backward portion each having respective surfaces  
14 facing said stator core and angled toward each other.

1                 6.    A compressor comprising:

2                   a compression mechanism, said compressor mechanism having a  
3 function for compressing and vomiting a refrigerator, and  
4                   a motor driving said compression mechanism,

5                   wherein said motor includes a stator core having a plurality of teeth  
6 parts, a concentrated winding applied over each teeth part of said plurality of teeth  
7 parts and a rotor incorporating a plurality of permanent magnets,

8                   each of said plurality of permanent magnets is provided at a larger  
9 pitch than the stator coil pitch,

10                  said plurality of permanent magnet are arranged around a center  
11 thereof, and

12                  at least one of said plurality of permanent magnets has a side facing  
13 said stator core which is indented inward towards the center.

1                 7.    A compressor comprising:

2                   a compression mechanism, said compressor mechanism having a  
3 function for compressing and vomiting a refrigerator, and  
4                   a motor driving said compression mechanism,

5                   wherein said motor includes a stator core having a plurality of teeth  
6 parts, a concentrated winding applied over each teeth part of said plurality of teeth  
7 parts and a rotor incorporating a plurality of permanent magnets,

8                   each of said plurality of permanent magnets is provided at a larger  
9 pitch than the stator coil pitch, and

10                  a first outer periphery portion of said rotor is different shape than a  
11 second outer periphery portion of said rotor without said second outer periphery  
12 portion being situated directly between any of said magnet.

1                 8. An air-conditioner comprising:

2                   a compressor of claim 1,

3                   a heat exchanger, and

4                   a refrigerating cycle connecting said compressor and said heat  
5 exchanger.

1                 9. A refrigerator comprising:

2                   a compressor of claim 1,

3                   a heat exchanger, and

4                   a refrigerating cycle connecting said compressor and said heat  
5 exchanger.

*Add 18*